

AMENDMENTS TO THE CLAIMS

Please amend claims 4-8, 12, and 16, add new claims 37-52, and cancel claim 15 and withdrawn claims 9-11 and 17-36 without prejudice as shown in the following listing of claims, which will replace all prior versions and listings of claims in the application. Please cancel claims 15 and 17 and withdrawn claims 9-11 and 18-36 without prejudice to their pursuit in an appropriate continuation or divisional application.

Listing of the claims:

1. – 3. (canceled)

4 (currently amended). A kit for indicating the presence of nucleic acid in a sample, the kit comprising:

a. a dry substrate for lysing cells and purifying nucleic acid therefrom
consisting of:

~~a~~.i. a solid matrix, wherein the solid matrix comprises nitrocellulose or nylon; and

~~b~~.ii. a coating functionally associated with the solid matrix, wherein the coating comprises an anionic surfactant or detergent which facilitates cellular lysis; and

~~e~~.b. an indicator for ~~[[indicating]] detecting~~ the presence of nucleic acid, which is maintained on the solid matrix.

5 (currently amended). The ~~[[substrate]]~~ kit according to claim 4, wherein said indicator ~~[[means]]~~ is selected from the group consisting essentially of a fluorescent indicator, color indicator or photometric indicator.

6 (currently amended). The [[substrate]] kit according to claim 4, wherein said substrate is in a shape selected from the group consisting essentially of a swab, a sheet, a card, and a ball.

7 (currently amended). The [[substrate]] kit according to claim 6, wherein said substrate further includes an integrity maintenance means.

8 (currently amended). The [[substrate]] kit according to claim 7, wherein when said substrate is a sheet, said integrity maintenance means is a plastic bag.

9. – 11. (canceled)

12 (currently amended). A kit for purifying nucleic acid comprising:

- a. [[a]] a dry substrate comprising:
 - i. a solid matrix, wherein the solid matrix comprises nitrocellulose or nylon; and
 - ii. a coating functionally associated with the solid matrix, wherein the coating comprises an anionic surfactant or detergent which facilitates cellular lysis; [[and]]
- [[iii.]]b. _____ an indicator for [[indicating]] detecting the presence of nucleic acid, which is maintained on the solid substrate; and
- b-c. _____ an integrity maintenance means for preserving the matrix and purifying nucleic acid.

13 (previously presented). The kit according to claim 12, wherein said coated matrix is in a shape selected from the group consisting essentially of a swab, a sheet, a card, and a ball.

14 (previously presented). The kit according to claim 12, wherein said coated matrix is in a shape selected from the group consisting essentially of a plastic bag, cellophane, a sealable container, cartridge and parafilm.

15 (canceled).

16 (currently amended). A blood card for labeling blood transfusion bags comprising:

- a. a dry substrate comprising a solid matrix selected from the group consisting of nitrocellulose, carboxymethylcellulose, polyester, polyamide, polytetrafluoroethylene and porous ceramics, a coating wherein the solid matrix further comprises a chemical coating functionally associated with the solid matrix, the chemical coating comprising:
 - i. a weak base;
 - ii. a chelating agent; and
 - iii. an anionic surfactant or detergent which facilitates cellular lysis; and
- b. an indicator for detecting the presence of nucleic acid, which is maintained on the solid matrix; and
- c. an integrity maintenance means.

17. – 36. (canceled)

37 (new). The kit of claim 4, wherein the anionic surfactant or detergent is selected from the group consisting of sodium dodecyl sulfate (SDS), alkyl aryl sulfonates, sodium tetradecylsulfate long chain (fatty) alcohol sulfates, sodium 2-ethylhexysulfate olefine sulfates, sulfosuccinates or phosphate esters.

38 (new). The kit of claim 37, wherein:

- a. the weak base comprises a Tris or trishydroxymethyl methane; and
- b. the chelating agent comprises ethylenediamine tetra-acetic acid (EDTA).

39 (new). The kit of claim 4, wherein the anionic surfactant or detergent comprises sodium dodecyl sulfate at a concentration of from about 5% to about 10%.

40 (new). The kit of claim 4, wherein the coating further comprises a free radical trap.

41 (new). The kit of claim 12, wherein the anionic surfactant or detergent is selected from the group consisting of sodium dodecyl sulfate (SDS), alky aryl sulfonates, sodium tetradecylsulfate long chain (fatty) alcohol sulfates, sodium 2-ethylhexysulfate olefine sulfates, sulfosuccinates or phosphate esters.

42 (new). The kit of claim 41, wherein:

- a. the weak base comprises a Tris or trishydroxymethyl methane; and
- b. the chelating agent comprises ethylenediamine tetra-acetic acid (EDTA).

43 (new). The kit of claim 12, wherein the anionic surfactant or detergent comprises sodium dodecyl sulfate at a concentration of from about 5% to about 10%.

44 (new). The kit of claim 12, wherein the chemical coating further comprises a free radical trap.

45 (new). The kit of claim 12, wherein the indicator is selected from the group consisting essentially of a fluorescent indicator, color indicator or photometric indicator.

46 (new). A kit for labeling blood transfusion bags comprising:

- a. a dry substrate comprising a solid matrix selected from the group consisting of nitrocellulose, carboxymethylcellulose, polyester, polyamide, polytetrafluoroethylene and porous ceramics, the solid matrix being coated with a chemical coating functionally associated with the solid matrix, the chemical coating comprising a weak base, a chelating agent, and an anionic surfactant or detergent which facilitates cellular lysis;
- b. an indicator for detecting the presence of nucleic acid, which is maintained on the solid matrix; and
- c. an integrity maintenance means.

47 (new). A kit for purifying nucleic acid comprising:

- a. a dry substrate for lysing cells and purifying nucleic acid comprising a solid matrix comprising nitrocellulose, the solid matrix being coated with a chemical coating functionally associated with the solid matrix, the chemical coating comprising:
 - i. a weak base;
 - ii. a chelating agent; and
 - iii. an anionic surfactant or detergent which facilitates cellular lysis; and
- b. an indicator for detecting the presence of nucleic acid, wherein the indicator comprises a polyethyleneimine conjugate or an enzyme-linked immunosorbant assay (ELISA).

48 (new). The kit of claim 47, wherein the anionic surfactant or detergent is selected from the group consisting of sodium dodecyl sulfate (SDS), alkyl aryl sulfonates, sodium tetradecylsulfate long chain (fatty) alcohol sulfates, sodium 2-ethylhexylsulfate olefine sulfates, sulfosuccinates or phosphate esters.

49 (new). The kit of claim 47, wherein:

- a. the weak base comprises a Tris or trishydroxymethyl methane; and
- b. the chelating agent comprises ethylenediamine tetra-acetic acid (EDTA).

50 (new). The kit of claim 47, wherein the anionic surfactant or detergent comprises sodium dodecyl sulfate at a concentration of from about 5% to about 10%.

51 (new). The kit of claim 47, wherein the chemical coating further comprises a free radical trap.

52 (new). The kit of claim 47, wherein the nucleic acid comprises a sequence of interest and the indicator comprises an enzyme-linked immunosorbant assay (ELISA) using antibodies to the sequence of interest.